

## CLAIMS

What is claimed is:

- 1 1. A method of duplicating electronic data from a source storage device to a  
2 target storage device, comprising:  
3 detecting a presence of a host protected area of a source storage device; and  
4 copying data included in the host protected area of the source storage device  
5 to a host protected area of a target storage device.
- 1 2. The method as described in claim 1, further comprising determining size of  
2 the host protected area of the source storage device.
- 1 3. The method as described in claim 2, further comprising creating a host  
2 protected area on the target storage device of a size corresponding to the  
3 determined size of the host protected area of the source storage device.
- 1 4. The method as described in claim 3, wherein the size of the host protected  
2 area of the target storage device is suitable for at least one of including the  
3 host protected area of the source storage device, including the host protected  
4 area of the source storage device and at least a portion of a previously stored  
5 host protected area data of the target storage device.
- 1 5. The method as described in claim 1, further comprising creating a host  
2 protected area on the target storage device suitable for storing host protected  
3 area data from the source storage device.
- 1 6. The method as described in claim 1, wherein a previously stored host  
2 protected area of the target storage device is overwritten by the host protected  
3 area of the source storage device.

1 7. The method as described in claim 1, further comprising copying user  
2 accessible data from the source storage device to the target storage device, the  
3 user accessible data stored on a user accessible area of the target storage  
4 device.

1 8. The method as described in claim 1, further comprising detecting a presence  
2 of a host protected area on the target storage device, and if a host protected  
3 area is present, resetting the host protected area of the target storage device.

1 9. The method as described in claim 8, wherein the host protected area is  
2 detected utilizing a EC and READ NATIVE MAX CYL command and the  
3 host protected area is reset utilizing a SET MAX CYL command.

1 10. The method as described in claim 1, wherein the presence of a host protected  
2 area is detected utilizing a READ NATIVE MAX CYL command.

- 1 11. A method of duplicating electronic data from a source storage device to a  
2 target storage device, comprising:  
3 detecting presence of a host protected area of a source storage device;  
4 determining size of the host protected area of the source storage device;  
5 creating a host protected area on a target storage device of a size  
6 corresponding to the determined size of the host protected area of the  
7 source storage device; and  
8 copying data included in the host protected area of the source storage device  
9 to the created host protected area of the target storage device.
- 1 12. The method as described in claim 11, wherein the size of the host protected  
2 area of the target storage device is suitable for at least one of including the  
3 host protected area of the source storage device, including the host protected  
4 area of the source storage device and at least a portion of a previously stored  
5 host protected area data of the target storage device.
- 1 13. The method as described in claim 11, wherein the creates host protected area  
2 on the target storage device is suitable for storing host protected area data  
3 from the source storage device.
- 1 14. The method as described in claim 11, wherein creating a host protected area  
2 on the target storage device includes overwriting a previously stored host  
3 protected area of the target storage device by the host protected area of the  
4 source storage device.
- 1 15. The method as described in claim 11, further comprising copying user  
2 accessible data from the source storage device to the target storage device, the  
3 user accessible data stored on a user accessible area of the target storage  
4 device.

1 16. The method as described in claim 11, further comprising detecting a presence  
 2 of a host protected area on the target storage device, and if a host protected  
 3 area is present, resetting the host protected area of the target storage device  
 4 to create the host protected area of the target storage device suitable for  
 5 storing host protected area data from the source storage device.

1 17. The method as described in claim 16, wherein the host protected area is  
 2 detected utilizing a READ NATIVE MAX CYL command and the host  
 3 protected area is reset utilizing a SET MAX CYL command.

1 18. The method as described in claim 11, wherein the presence of a host protected  
 2 area is detected utilizing a READ NATIVE MAX CYL command.

3 detecting presence of a host protected area of a source storage device;  
4 creating a host protected area on a target storage device suitable for storing  
5 host protected area data from the source storage device; and  
6 copying data included in the host protected area of the source storage device  
7 to the created host protected area of the target storage device.

1     20.     The method as described in claim 19, further comprising determining size of  
2     the host protected area of the source storage device.

21. The method as described in claim 20, wherein a host protected area on the target storage device is created of a size corresponding to the determined size of the host protected area of the source storage device.

1     22.     The method as described in claim 21, wherein the size of the host protected  
2             area of the target storage device is suitable for at least one of including the  
3             host protected area of the source storage device, including the host protected  
4             area of the source storage device and at least a portion of a previously stored  
5             host protected area data of the target storage device.

1     23.     The method as described in claim 19, wherein a previously stored host  
2     protected area of the target storage device is overwritten by the host protected  
3     area of the source storage device.

1     24.     The method as described in claim 19, further comprising copying user  
2     accessible data from the source storage device to the target storage device, the  
3     user accessible data stored on a user accessible area of the target storage  
4     device.

1 25. The method as described in claim 19, further comprising detecting a presence  
 2 of a host protected area on the target storage device, and if a host protected  
 3 area is present, resetting the host protected area of the target storage device to  
 4 create the host protected area of the target storage device suitable for storing  
 5 host protected area data from the source storage device.

1 26. The method as described in claim 25, wherein the host protected area is  
 2 detected utilizing a READ NATIVE MAX CYL command and the host  
 3 protected area is reset utilizing a SET MAX CYL command.

1 27. The method as described in claim 19, wherein the presence of a host protected  
 2 area is detected utilizing a READ NATIVE MAX CYL command.

3 detecting presence of a host protected area of a source storage device;  
4 detecting a presence of a host protected area on a target storage device, and if  
5 a host protected area is present, resetting the host protected area of the  
6 target storage device; and  
7 copying data included in the host protected area of the source storage device  
8 to the host protected area of the target storage device.

1     29.     The method as described in claim 28, further comprising determining size of  
2     the host protected area of the source storage device.

1     30.     The method as described in claim 29, wherein the host protected area on the  
2             target storage device is reset to a size corresponding to the determined size of  
3             the host protected area of the source storage device.

1     31.     The method as described in claim 30, wherein the size of the host protected  
2             area of the target storage device is suitable for at least one of including the  
3             host protected area of the source storage device, including the host protected  
4             area of the source storage device and at least a portion of a previously stored  
5             host protected area data of the target storage device.

1 32. The method as described in claim 29, further comprising creating a host  
2 protected area on the target storage device suitable for storing host protected  
3 area data from the source storage device.

1     33.     The method as described in claim 29, wherein a previously stored host  
2             protected area of the target storage device is overwritten by the host protected  
3             area of the source storage device.

1 34. The method as described in claim 29, further comprising copying user  
2 accessible data from the source storage device to the target storage device, the  
3 user accessible data stored on a user accessible area of the target storage  
4 device.

1 35. The method as described in claim 29, wherein the host protected area is  
2 detected utilizing a READ NATIVE MAX CYL command and the host  
3 protected area is reset utilizing a SET MAX CYL command.

1 36. The method as described in claim 29, wherein the presence of a host protected  
2 area is detected utilizing a READ NATIVE MAX CYL command.



- 1     37.     A storage device duplication system, comprising:  
2             a source storage device suitable for storage of electronic data, the source  
3             storage device including a host protected area ;  
4             a target storage device suitable for storing electronic data; and  
5             a duplicating machine communicatively coupled to the source storage device  
6             and the target storage device, wherein the duplicating machine detects  
7             the presence of the host protected area of the source storage device and  
8             copies data included in the host protected area of the source storage  
9             device to a host protected area of the target storage device.
- 1     38.     The system as described in claim 37, wherein the duplicating machine  
2             determines a size of the host protected area of the source storage device and  
3             creates a host protected area on the target storage device of a size  
4             corresponding to the determined size of the host protected area of the source  
5             storage device.
- 1     39.     The system as described in claim 38, wherein the size of the host protected  
2             area of the target storage device is suitable for at least one of including the  
3             host protected area of the source storage device, including the host protected  
4             area of the source storage device and at least a portion of a previously stored  
5             host protected area data of the target storage device.
- 1     40.     The system as described in claim 38, wherein the duplicating machine creates  
2             a host protected area on the target storage device suitable for storing host  
3             protected area data from the source storage device.
- 1     41.     The system as described in claim 38, wherein a previously stored host  
2             protected area of the target storage device is overwritten by the host protected  
3             area of the source storage device.

1 42. The system as described in claim 38, wherein the duplicating machine copies  
 2 user accessible data from the source storage device to the target storage  
 3 device, the user accessible data stored on a user accessible area of the target  
 4 storage device.

1 43. The system as described in claim 38, wherein the duplicating machine detects  
 2 a presence of a host protected area on the target storage device, and if a host  
 3 protected area is present, resets the host protected area of the target storage  
 4 device.

1 44. The system as described in claim 43, wherein the host protected area is  
 2 detected utilizing a READ NATIVE MAX CYL command and the host  
 3 protected area is reset utilizing a SET MAX CYL command.

1 45. The system as described in claim 38, wherein the presence of a host protected  
 2 area is detected utilizing a READ NATIVE MAX CYL command.

- 1 46. An electronic data duplication system, comprising:  
2 means for storing a source of electronic data, the source storage means  
3 including a means for protecting host data;  
4 means for storing target storage electronic data; and  
5 means for duplicating electronic data communicatively coupled to the source  
6 storage means and the target storage means, wherein the duplicating  
7 means detects the presence of the host data protection means of the  
8 source storage means and copies data included in the host data  
9 protection means of the source storage means to a host data protection  
10 means of the target storage means.
- 1 47. The system as described in claim 46, wherein the duplicating means  
2 determines a size of the host data protection means of the source storage  
3 means and creates a host data protection means on the target storage means of  
4 a size corresponding to the determined size of the host data protection means  
5 of the source storage means.
- 1 48. The system as described in claim 47, wherein the size of the host data  
2 protection means of the target storage means is suitable for at least one of  
3 including the host data protection means of the source storage device,  
4 including the host data protection means of the source storage device and at  
5 least a portion of a previously stored host data protection means data of the  
6 target storage device.
- 1 49. The system as described in claim 46, wherein the duplicating means creates a  
2 host data protection means on the target storage means suitable for storing  
3 host data protection means data from the source storage means.
- 1 50. The system as described in claim 46, wherein a previously stored host data

2 protection means of the target storage means is overwritten by the host data  
3 protection means of the source storage means.

1 51. The system as described in claim 46, wherein the duplicating means copies  
2 user accessible data from the source storage means to the target storage  
3 means, the user accessible data stored on a user accessible area of the target  
4 storage means.

1 52. The system as described in claim 46, wherein the duplicating means detects a  
2 presence of a host data protection means on the target storage means, and if a  
3 host data protection means is present, resets the host data protection means of  
4 the target storage means.

1 53. The system as described in claim 52, wherein the host data protection means  
2 is detected utilizing a READ NATIVE MAX CYL command and the host data  
3 protection means is reset utilizing a SET MAX CYL command.

1 54. The system as described in claim 46, wherein the presence of a host data  
2 protection means is detected utilizing a READ NATIVE MAX CYL  
3 command.